

Translation of the international preliminary examination report dated 08/10/02

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Int. Re: PCT/EP 02/ 02842

I. Basis of the report

1. The basis of this international preliminary examination report is the application as originally filed

V. Reasoned statement according to Rule 66.2(a)(ii) with regard to novelty, inventive activity and commercial applicability

With regard to the documents referred to in the international Search Report it is noted that the invention as characterized in the claims fulfills the criteria of Article 33(1) PCT, that is the invention is considered to be novel, based on inventive activity and commercially applicable.

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Case K 214

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Lambert Feher et al

**Title: MICROWAVE DEVICE FOR DE-ICING OR KEEPING HOLLOW BODY
SURFACES FREE FROM ICE AND METHOD FOR THE OPERATION OF
THE DEVICE**

Hon. Commissioner for Patents
P.O. 1450
Alexandria, VA 22313-1450

September 30, 2003

SIR:

INFORMATION DISCLOSURE STATEMENT - SECTION 1.97(b)

Under the provisions of 37 C.F.R. Section 1.56, and in accordance with 37 C.F.R. Sections 1.97 and 1.98, applicants' representative hereby submits US Patent & Trademark Office Form PTO-1449. Copies of the references cited therein are submitted for consideration in the examination of the above-referenced patent application. It is respectfully requested that they be made of record, along with whatever references the Examiner may find in the course of a search, should the Examiner consider them material to the subject application.

The references have been cited in the international Search Report. They have all been marked "A" by the Examiner as relating only to background information.

The references do not disclose that a microwave device for de-icing and keeping areas of hollow body structures free from ice keeps atmospherically exposed leading edges and adjacent areas free of ice by means of a coolant circuit. The surface segments between the adjacent areas are kept free from ice as a result of the effects of a microwave device on the wall of the surface segments and the heating that occurs by the exposure to microwave radiation. A series of consecutive microwave-tight chambers is disposed

behind the wall of the exposed area. A microwave source supplies microwaves to the chambers with the aid of a decoupling structure disposed therein, resulting in high/multimode excitation. The waste heat of the microwave sources is collected by means of a coolant circuit and transported to the areas adjacent the leading edge for permanent heating in order to keep the surfaces free from ice. The microwave sources are cyclically operated.

This Statement is hereby submitted under Section 1.97(b) since it is being submitted concurrently with the filing of the above-referenced application.

Respectfully submitted,



Klaus J. Bach, Reg. No.: 26832

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.